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450, as volumes of the Transactions of the Academy, and offering the fifty copies which still remained on hands at the same price as the former ones, namely, thirty shillings a copy.

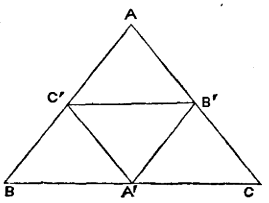
RESOLVED, on the recommendation of Council, that this offer be accepted.

June 23, 1845.

GEORGE PETRIE, ESQ., Vice-President, in the Chair.

James Strathearn, Esq., Daniel Conolly, LL.D., David Moore, Esq., Rev. Classon Porter, and James Talbot, Esq., were elected Members of the Academy.

The following notice, by the President, Sir William R. Hamilton, of a theorem derived from his Researches on Quaternions, was read.



Let AC′A′B′ be called a *spherical parallelogram*, if A′, B′, C′ bisect the sides BC, CA, AB of a spherical triangle ABC; and let it be said that the corner A of the triangle is the point which *completes the parallelogram* when A′B′ and A′C′ are given as two adjacent sides thereof.

Take any spherical quadrilateral, KLMN, and any point on the same spheric surface, P; draw the four arcs PK, PL, PM, PN, and complete, in four points, K′, L′, M′, N′, the four spherical parallelograms, of which the given pairs of adjacent sides are PK, PL; PL, PM; PM, PN; PN, PK. Then the four new points, K′, L′, M′, N′, form a new spheric quadrilateral, such that its four sides, K′L′, L′M′, M′N′, N′L′, touch a certain spherical conic, having the poles of the diagonals KM, LN of the old quadrilateral for its foci.

This theorem was stated to follow as an easy corollary from what Sir William Hamilton had already communicated to the Academy respecting quaternions.

Certain encaustic tiles and other antique remains were presented to the Academy by Richard Cane, Esq., of St. Wolstan's, they having been found on the site of that ancient abbey.

RESOLVED,—That the thanks of the Academy be given to Mr. Cane for his donation.

The Secretary read the recommendation of Council at their meeting of the 16th June:

"That Mr. Clibborn be appointed Curator of the Museum, with an increased salary; that an Assistant be supplied to Mr. Clibborn, and also a Porter."

RESOLVED,—That the recommendation of Council be adopted, and that it be referred back to Council, in order that the same may be carried into effect.

CAPTAIN LARCOM, V. P., having taken the Chair, Mr. Petrie presented, upon the part of Dr. Stokes, to be deposited in the Museum for the present, an ancient reliquary, called the Fiacail Phadruig, or St. Patrick's Tooth.

RESOLVED,—That the thanks of the Academy be given to Dr. Stokes for this deposit.

July 14, 1845. (Extra Meeting.)

SIR WM. R. HAMILTON, LL.D., President, in the Chair.

RESOLVED,—That an adjourned meeting be held on Monday next, 21st instant, at eight o'clock, in order to afford an opportunity to the Council to correct an informality in the last Minutes of Council connected with the summonses for this meeting, and that the Academy be duly summoned.

CAPTAIN LARCOM, V. P., having taken the Chair, the President read a communication on the Applications of the new Imaginaries to some Dynamical Questions.—See *Appendix*, No. III.